WHAT IS CLAIMED IS:

1. A stable wheel assembly having

a connector with two ends and each end of the connector having at least one wheel rotatably attached to the end, and each wheel having a center;

wherein the connector has

two spindles each having a first end mounted through the center of the at least one wheel to which the spindle is attached and a second end; and

two protrusions securely connected respectively to the second ends of the spindles and each having

a free end;

an upright step defined on the free end; wherein the upright step on one of the protrusions is mated the upright step on the other protrusion to form the connector; and

a through hole being transverse defined through two upright steps on the protrusions;

a wheel stand with a bracket and the bracket mounted on the protrusions, having a hole aligned with the through holes in the protrusions;

a pivot pin inserted into the aligned transverse holes of the bracket and the through holes on the protrusions to pivotally connect the connector to the wheel stand; and

a resilient body mounted between the protrusions.

2. The stable wheel assembly as claimed in claim 1, wherein the resilient body has two resilient straps with two free ends;

multiple holes are defined on the free ends; and

multiple threaded pins; and

the protrusions have multiple threaded holes aligned with the holes on the free ends of the resilient straps, wherein multiple threaded pins are mounted respectively through the holes in the free ends of the resilient straps and are screwed into the aligned threaded holes in the protrusions.

3. The stable wheel assembly as claimed in claim 1, wherein the protrusions of the connector are quadratic prisms, wherein a gap between each respective upright step and the faced protrusion.